

Material Safety Data Sheet

Product: 40102- Plug N Patch Plumbers 2 oz.

MSDS Date: 10-3-02
Product Name: 40102- Plug N Patch Plumbers 2 oz.
Manufacturer: Power Poxy

I. Product and Company Description

Power Poxy
Division of Poxy Plus, Inc.
N53 W24794 Corporate Circle
Suite C
Sussex, WI 53089

Emergency Phone Number:
(800) 424-9300 CHEMTREC

For Product Information:
(866) 232-4681

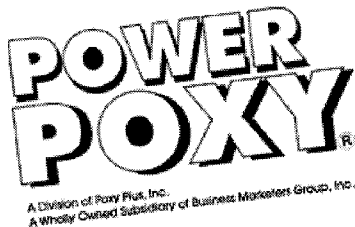
Product Use:
Adhesive

Chemical Name or Synonym:
NA

Molecular Formula:
NA

II. Chemical Composition

Component	CAS #	%Composition
Aluminum oxide	1344281	<5
Aminoethylpiperazine	140318	1-10
Crystalline Silica	14808607	<1
Bisphenol A diglycidyl ether resin	25068386	5-20
Glass Oxide	65997173	15-30
Polymercaptan curing agent	Trade Secret	5-15



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III. Hazards Identification

A. Emergency Overview:

Physical Appearance and Odor:

Putty with low odor.

B. Potential Health Effects:

Acute Eye:

May be irritating to the eyes and cause redness, and excess tearing.

Acute Skin:

May cause allergic skin reaction, dermatitis, and in sensitive individuals, redness, swelling and blisters.

Acute Inhalation:

May cause irritation to the respiratory tract. Symptoms include coughing, throat irritation and shortness of breath.

Acute ingestion:

May be harmful if swallowed.

Chronic effects:

Not determined

IV. First Aid Measures

First Aid Measures for Accidental:

Eye Exposure:

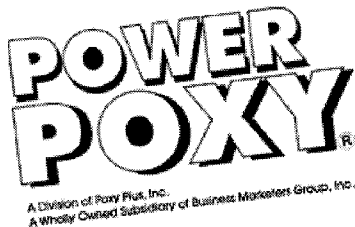
Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

Skin Exposure:

Remove contaminated clothing/shoes and wipe excess from skin. Flush skin with water. Wash affected area with soap and water. Get medical attention if irritation develops or persists.

Inhalation:

Remove to fresh air. Seek medical attention if respiratory irritation develops or if breathing becomes difficult.



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Ingestion:

Keep individual calm and do not induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention.

V. Fire Fighting Measures

Fire Hazard Data:

Flash Point: >500°F

Method Used: TCC

Flammability Limits (vol/vol%):

Lower: N/D

Upper: N/D

Extinguishing Media:

Foam, Carbon Dioxide, dry chemical

Special Fire Fighting Procedures:

Firefighters should wear self contained breathing apparatus and full turn out gear. Water spray may be useful in cooling containers and dispersing vapors.

Unusual Fire and Explosion Hazards:

Toxic smoke and vapors may form during decomposition

Hazardous Decomposition Materials (Under Fire Conditions):

Oxides of carbon, sulfur, nitrogen, aldehydes, ketones, and other unknown organic compounds.

VI. Accidental Release Measures

Cleanup and Disposal of Spill:

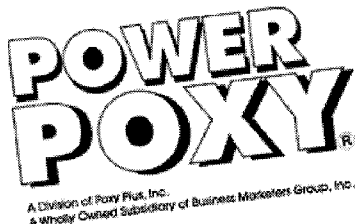
Wearing proper personal protective equipment (Section VIII), stop the leak, if possible. Shut off or remove all ignition sources. Construct a dike to prevent spill from entering sewers or waterways. Once contained, spread absorbent material over area. Transfer to containers by suction. For large spill, recover spilled material with a vacuum truck.

Dispose of materials according to the applicable Federal, State, or local regulations.

VII. Handling and Storage

Handling:

Avoid eye, skin or contact with clothing. Avoid breathing of vapors. Do not eat, drink or smoke, when handling material. Wash thoroughly after handling. Launder contaminated clothing and protective gear



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before reuse. If this product is sanded or machined after curing, take appropriate precautions against inhalation of nuisance particulates. A TLV of 2 mg/m³ should be observed..

Storage:

Store in a well-ventilated, cool, dry place. Avoid excessive heat and ignition sources.

VIII. Exposure Controls / Personal Protection

Exposure Guidelines:

Component	Exposure limits		
	ACGIH	Other	OSHA-PELs
Aluminum oxide	10 mg/m ³	10 mg/m ³	15 mg/m ³
Aminoethylpiperazine	ND	ND	ND
Crystalline Silica	0.05 mg/m ³ TWA (For Silica)	0.1 mg/m ³ TWA (For Silica)	250 mppcf; 0.1 mg/m ³ TWA (For Silica)
Bisphenol A diglycidyl ether resin	ND	ND	ND
Glass Oxide	ND	ND	ND
Polymercaptan curing agent	ND	ND	ND

Engineering Controls:

Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure limit(s) outlined in the MSDS.

Respiratory Protection:

Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or EN approved respirator when necessary.

Eye / Face Protection:

Wear appropriate safety glasses with side shields or chemical goggles as described by OSHA's eye and face protection regulations in 29CFR 1910.133 or European Standard EN166.

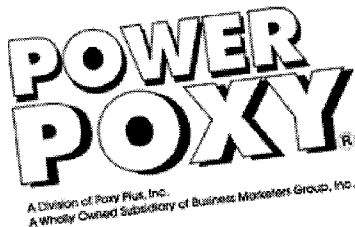
Skin Protection:

Chemical resistant gloves recommended, such as neoprene or nitrile rubber. Body covering clothing should be utilized

IX. Physical and Chemical Properties

Physical Appearance: Putty

Odor: Low



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pH: 9.5 (5% solution or slurry in water)

Specific Gravity: 1.9

Water Solubility: Negligible

Boiling Point: ND

Melting Point Range: ND

Vapor Pressure: Nil

Percent Volatiles by Volume: 0

X. Stability and Reactivity

Chemical Stability:

Stable

Conditions to Avoid:

Exposure to open flame or excessive heat

Materials / Chemicals to be Avoided:

Strong oxidizers, acids, mineral and organic bases

Hazardous Decomposition Products:

Oxides of carbon, sulfur, nitrogen, aldehydes, ketones, and other unknown organic compounds

Hazardous Polymerization:

Will not occur

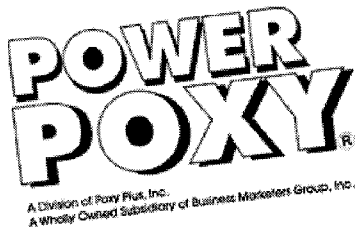
XI. Toxicological Information

Acute Oral Toxicity:

ND

Acute Dermal Toxicity:

ND



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Acute Inhalation Toxicity:

ND

Chronic Toxicity:

Carcinogenicity, teratogenicity, and mutagenicity:

Both the resin and the diglycidyl ether of bisphenol A (a component of this product) have proved to be inactive when tested by In Vivo mutagenicity assays. Both have shown activity by In Vitro microbial mutagenicity screening and have produced chromosomal aberrations in cultured rat liver cells.

Other chronic effects:

2-year bioassays in mice exposed by the dermal route to EPON 828, DGEBA, or other commercial resins yielded limited evidence of weak carcinogenicity. The authors concluded that the renal tumor evidence with EPON 828 "was of no biological significance" and that the resin "is not a systemic carcinogen when applied to the dorsal skin of CF1 mice."

Toxicological information on hazardous chemical constituents of this product:

Component	Oral LD50 (rat)	Dermal LD50 (rabbit)	Inhalation LC50 4hr, (rat)
Aluminum oxide	ND	ND	ND
Aminoethylpiperazine	2140 mg/kg	880 mg/kg	ND
Crystalline Silica	ND	ND	ND
Bisphenol A diglycidyl ether resin	11.4 g/kg	>20 ml/kg	No deaths
Glass Oxide	ND	ND	ND
Polymercaptan curing agent	ND	ND	ND

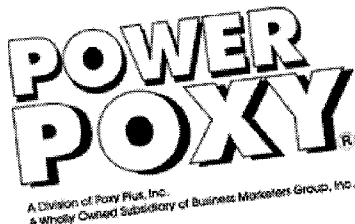
XII. Ecological Information

Ecotoxicological Information:

Degradation: Not Determined
Accumulation: Not Determined
Fish-Toxicity: Not Determined

Chemical Fate Information:

Not Determined



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XIII. Disposal Considerations

Waste Disposal Method:

Discard any product, residue, disposable container or liner in full compliance with federal, state, and local regulations.

Container Handling and Disposal:

Dispose of container and unused contents in accordance with federal, state, and local regulations.

XIV. Transportation Information

US Department of Transportation Shipping Name:

US Department of Transportation	Proper Shipping Name	Not Regulated
	Hazard Class	Not Regulated
	ID Number	Not Regulated
	Packaging Group	Not Regulated
	Label Statement	Not Regulated

XV. Regulatory Information

Federal Regulations:

SARA Title III Hazard Classes:

Fire Hazard:	NO
Reactive Hazard:	NO
Release of Pressure:	NO
Acute Health Hazard:	YES
Chronic Health Hazard:	YES

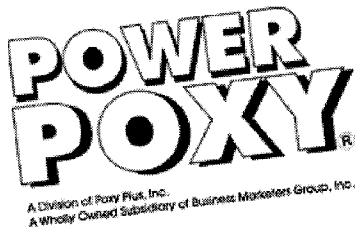
Toxic Substances Control Act (TSCA): All components are included in the inventory or are not required to be listed

Other Federal Regulations:

State Regulations:

None

International Regulations:



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Canada:

WHMIS Hazard Class: Class D, Division 2B

XVI. Other Information

National Fire Protection Association Hazard Ratings – NFPA(R):

Health Hazard:	1
Flammability:	1
Reactivity:	0

Key Legend Information:

N/A – Not Applicable

ND – Not Determined

ACGIH – American Conference of Governmental Industrial Hygienists

OSHA – Occupational Safety and Health Administration

TLV – Threshold Limit Value

PEL – Permissible Exposure Limit

TWA – Time Weighted Average

STEL – Short Term Exposure Limit

NTP – National Toxicology Program

IARC – International Agency for Research on Cancer

To the best of our knowledge, the information contained herein is accurate. However, neither Power Poxy nor any of its agents assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.